

~~SECRET~~

CONFIDENTIAL

27 December 1956

## MEMORANDUM FOR THE RECORD

SUBJECT: Report of Visit to [REDACTED]

On Thursday, 20 November, [REDACTED]  
 of CC-E met with [REDACTED]

[REDACTED] was questioned about the extent of the investigation had done concerning the Single Side Band modification of the 231-D transmitter. This was done to suggest any information CC-E had on this subject for re-transmittal to the field. According to [REDACTED] the type of SSB modification for the 231-D transmitter will be the "Envelope Elimination and Restoration" method, (I.R.E. Proceedings, July 1952, by Leonard Kahn) but [REDACTED] have not done anything but preliminary work on this, the reason being that negotiations to make this a project with [REDACTED] have not been completed. However, [REDACTED] did suggest that an investigation of the band pass capabilities of the speech amplifier and modulator of the 231-D transmitter be made with emphasis on phase shift and distortion of the modulated signal.

Concerning [REDACTED] task #8, the repackaging of the RT-4 transmitter, several questions were raised by [REDACTED] i.e., (a) input impedance of speech amplifier or modulator, (b) how many thermostats [REDACTED] were to get, (c) "Tails" or poor wave form on the envelope of the keyed wave, and (d) the type of meter to be decided on, etc. Since these and other questions that were raised had already been answered on previous visits by [REDACTED] of CC-E, [REDACTED] called [REDACTED] later in the day and re-confirmed them. Another directive given to [REDACTED] on the phone at this time was for [REDACTED] to submit two Task and Price reports on the modification of the 231-D transmitter for output on frequencies up to 28 and 30 megacycles.

During the conversations concerning the RT-4 transmitter, [REDACTED] was brought up to date on this project.

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